INTERNATIONAL SEARCH REPORT

Interna Application No PCT/FR2005/000372

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B21D22/20 B21D53/88
//B32B15/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $\frac{7}{8328}$ $\frac{8620}{8620}$ $\frac{8210}{820}$

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

| Category ° | Citation of document, with Indication, where appropriate, of the relevant passages | Relevant to claim No. | |
|------------|--|-----------------------|--|
| X | EP 0 648 600 A (TOYO SEIKAN KAISHA LTD) 19 April 1995 (1995-04-19) page 8, line 2 - line 5 page 7, line 1 | | |
| A | page 8, line 10 | 1 | |
| Α | PATENT ABSTRACTS OF JAPAN vol. 0185, no. 85 (M-1700), 9 November 1994 (1994-11-09) & JP 06 218875 A (TORAY IND INC), 9 August 1994 (1994-08-09) abstract | 1 * | |
| | -/ | | |
| | - | | |
| | | | |

| X Further documents are listed in the continuation of box C. | Y Patent family members are listed in annex. |
|---|---|
| Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed | 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family |
| Date of the actual completion of the international search | Date of mailing of the international search report |
| 1 June 2005 | 09/06/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk | Authorized officer |
| Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 | Lanaspeze, J |

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International Application No PCT/FR2005/000372

| | | PC1/FR2005/0003/2 |
|------------|---|-----------------------|
| = | ation) DOCUMENTS CONSIDERED TO BE RELEVANT | |
| Category ° | Citation of document, with Indication, where appropriate, of the relevant passages | Relevant to claim No. |
| А | US 5 882 784 A (SUGIURA SEIYA ET AL) 16 March 1999 (1999-03-16) abstract column 4, line 28 - line 39 column 7, line 6 - line 11 | 1 |
| Α | EP 1 342-650 A (WEBASTO VEHICLE SYS INT GMBH) 10 September 2003 (2003-09-10) paragraph '0017!; figure 1 | 1,14 |
| Α | EP 1 316 414 A (BAYER AG) 4 June 2003 (2003-06-04) abstract; claims 1,5 | 1,14 |
| | | |
| | · | |
| | · | |
| | | |
| | | |
| | | |
| | | |
| | · | |
| | | |
| | | |
| | | |
| | | |

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation Application No
PCT/FR2005/000372

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|--|-----|---------------------|--|---|--|
| EP 0648600 | А | 19-04-1995 | JP JP DE DE EP | 2677172 B2 7108650 A 69408619 D1 69408619 T2 0648600 A2 | 17-11-1997 25-04-1995 02-04-1998 15-10-1998 19-04-1995 |
| JP 0621887 | 5 A | 09-08-1994 | ÜS JP | 5653357 A 3243868 B2 | 05-08-1997 |
| US 5882784 | | 16-03-1999 | JP | 8169084 A 2147795 A1 | 02-07-1996 17-06-1996 |
| | | · | CA CN DE DE EP | 1124692 A ,C 69521483 D1 69521483 T2 0716920 A2 | 17-00-1996 19-06-1996 02-08-2001 18-04-2002 19-06-1996 |
| EP 1342650 | A | 10-09-2003 | DE DE EP | 10219495 A1 50300192 D1 1342650 A1 | 18-09-2003 20-01-2005 10-09-2003 |
| EP 1316414 | А | 04-06-2003 | DE BR CA CN EP JP US ZA | 10158491 A1 0204867 A 2412510 A1 1421313 A 1316414 A1 2003211584 A 2003104241 A1 200208648 A | 12-06-2003 15-06-2004 28-05-2003 04-06-2003 04-06-2003 29-07-2003 05-06-2003 27-10-2003 |